

0590
1/18

OIIPE

#2

RAW SEQUENCE LISTING

DATE: 02/07/2002

PATENT APPLICATION: US/09/989,621

TIME: 17:08:46

Input Set : N:\Crf3\RULE60\09989621.txt

Output Set: N:\CRF3\02072002\I989621.raw

ENTERED

4 <110> APPLICANT: Mogam Biotechnology Research Institute
 5 Kim, Tae-Youn
 6 Lee, Ki-Young
 7 Chang, Jin-Soo
 8 Cho, Sung-Yoo
 9 Hwang, Yu-Kyeong
 10 Choi, Myeong
 11 Cheong, Hong-Seok
 13 <120> TITLE OF INVENTION: Liposomes Comprising Peptide Antigens
 14 Derived from X Protein of Hepatitis B virus
 17 <130> FILE REFERENCE: 0136/0E154
 19 <140> CURRENT APPLICATION NUMBER: 09/989,621
 20 <141> CURRENT FILING DATE: 2001-11-20
 22 <150> PRIOR APPLICATION NUMBER: 09/051,006
 23 <151> PRIOR FILING DATE: 2000-11-17
 W--> 24 <160> NUMBER OF SEQ ID: 10
 26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 9
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Hepatitis B virus
 33 <400> SEQUENCE: 1
 34 His Leu Ser Leu Arg Gly Leu Phe Val
 35 1 5
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 9
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Hepatitis B virus
 42 <400> SEQUENCE: 2
 43 Val Leu His Lys Arg Thr Leu Gly Leu
 44 1 5
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 9
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Hepatitis B virus
 51 <400> SEQUENCE: 3
 52 Ala Met Ser Thr Thr Asp Leu Glu Ala
 53 1 5
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 9
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Hepatitis B virus
 60 <400> SEQUENCE: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/989,621

DATE: 02/07/2002

TIME: 17:08:46

Input Set : N:\Crf3\RULE60\09989621.txt

Output Set: N:\CRF3\02072002\I989621.raw

```

61  Cys Leu Phe Lys Asp Trp Glu Glu Leu
62  1          5
64  <210> SEQ ID NO: 5
65  <211> LENGTH: 9
66  <212> TYPE: PRT
67  <213> ORGANISM: Hepatitis B virus
69  <400> SEQUENCE: 5
70  Glu Ile Arg Leu Lys Val Phe Val Leu
71  1          5
73  <210> SEQ ID NO: 6
74  <211> LENGTH: 9
75  <212> TYPE: PRT
76  <213> ORGANISM: Hepatitis B virus
78  <400> SEQUENCE: 6
79  Val Leu Cys Leu Arg Pro Val Gly Ala
80  1          5
82  <210> SEQ ID NO: 7
83  <211> LENGTH: 9
84  <212> TYPE: PRT
85  <213> ORGANISM: Hepatitis B virus
87  <400> SEQUENCE: 7
88  Thr Leu Pro Ser Pro Ser Ser Ser Ala
89  1          5
91  <210> SEQ ID NO: 8
92  <211> LENGTH: 15
93  <212> TYPE: PRT
94  <213> ORGANISM: HIV
96  <400> SEQUENCE: 8
97  Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
98  1          5          10          15
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 26
102 <212> TYPE: PRT
103 <213> ORGANISM: HIV
105 <400> SEQUENCE: 9
106 Thr Arg Pro Asn Asn Asn Thr Arg Lys Arg Ile Arg Ile Gln Arg Gly
107 1          5          10          15
108 Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
109          20          25
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 8
113 <212> TYPE: PRT
114 <213> ORGANISM: HCV
116 <400> SEQUENCE: 10
117 Asp Leu Met Gly Tyr Ile Pro Leu
118 1          5

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/989,621

DATE: 02/07/2002

TIME: 17:08:47

Input Set : N:\Crf3\RULE60\09989621.txt

Output Set: N:\CRF3\02072002\I989621.raw

L:24 M:283 W: Missing Blank Line separator, <160> field identifier